

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A video image data compression archiver comprising:

an encoder compressing non-compressed video image data to generate compressed video image data; and

an encoder controller connected to said encoder to control a frame size, a frame rate, and an average bit rate of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and a free area of a~~ recording medium for recording said compressed video image data, said control occurring throughout said compressing of said non-compressed video image data.

2. (Original) The video image data archiver according to claim 1, wherein said encoder controller decides said average bit rate in response to said at least one parameter, and decides said frame size and said frame rate based on said average bit rate.

3. (Original) The video image data archiver according to claim 1, wherein said encoder controller monitors said free area of said recording medium, and modifies at least one of said frame size, said frame rate, and said average bit rate when detecting a change in said free area of said recording medium.

4. (Original) The video image data archiver according to claim 3, wherein said encoder controller decreases at least one of said of said frame size, said frame rate, and said average bit rate when detecting a decreases in said free area of said recording medium.

5. (Original) The video image data archiver according to claim 3, wherein said encoder controller increases at least one of said frame size, said frame rate, and said average bit rate when detecting an increase in said free area of said recording medium.

6. (Original) The video image data archiver according to claim 1, wherein said encoder controller monitors said number of said frames of said non-compressed video image data, and modifies at lease one of said frame size, said frame rate, and said average bit rate, when detecting a change in said number of said frames of said non-compressed video image data.

7. (Original) The video image data archiver according to claim 6, wherein said encoder controller decreases at least one of said frame size, said frame rate, and said average bit rate, when detecting an increase in said number of said frames of said non-compressed video image data.

8. (Original) The video image data archiver according to claim 6, wherein said encoder controller increases at least one of said frame size, said frame rate, and said average bit rate, when detecting a decrease in said number of said frames of said non-compressed video image data.

9. (Original) The video image data archiver according to claim 1, wherein said encoder controller monitors said recording time of said non-compressed video image data, and modifies at least one of said frame size, said frame rate, and said average bit rate when detecting a change in said recording time.

10. (Original) The video image data archiver according to claim 9, wherein said encoder controller decreases at least one of said frame size, said frame rate, and said average bit rate when detecting an increase in said recording time of said original video image.

11. (Original) The video image data archiver according to claim 9, wherein said encoder controller increases at least one of said frame size, said frame rate, and said average bit rate when detecting a decrease in said recording time of said original video image.

12. (Currently Amended) A video image data compression archiver comprising:

an encoder compressing non-compressed video image data to generate compressed video image data; and

an encoder controller connected to said encoder to control a frame size, and an average bit rate of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and a free area of a recording medium for recording said compressed video image data,~~ said control occurring throughout said compressing of said non-compressed video image data.

13. (Original) The video image data archiver according to claim 12, wherein said encoder controller decides said average bit rate in response to said at least one parameter, and decides said frame size based on said average bit rate.

14. (Original) The video image data archiver according to claim 12, wherein said encoder controller monitors said free area of said recording medium, and modifies at least one of said frame size, and said average bit rate when detecting a change in said free area of said recording medium.

15. (Original) The video image data archiver according to claim 12, wherein said encoder controller monitors said number of said frames of said non-compressed video image data, and modifies at least one of said frame size, and said average bit rate when detecting a change in said number of said frames of said non-compressed video image data.

16. (Original) The video image data archiver according to claim 12, wherein said encoder controller monitors said recording time of said frames of said non-compressed video image data, and modifies at least one of said frame size, and said average bit rate when detecting a change in said recording time of said non-compressed video image data.

17. (Currently Amended) A video image data compression archiver comprising:

an encoder compressing non-compressed video image data to generate compressed video image data; and

an encoder controller connected to said encoder to control a frame rate, and an average bit rate of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and~~ a free area of a recording medium for recording said compressed video image data, said control occurring throughout said compressing of said non-compressed video image data.

18. (Original) The video image data archiver according to claim 17, wherein said encoder controller decides said average bit rate in response to said at least one parameter, and decides said frame rate based on said average bit rate.

19. (Original) The video image data archiver according to claim 17, wherein said encoder controller monitors said free area of said recording medium, and modifies at least one of said frame rate, and said average bit rate, when detecting a change in said free area of said recording medium.

20. (Original) The video image data archiver according to claim 17, wherein said encoder controller monitors said number of said frames of said non-compressed video image data, and modifies at least one of said frame rate, and said average bit rate, when detecting a change in said number of said frames of said non-compressed video image data.

21. (Original) The video image data archiver according to claim 17, wherein said encoder controller monitors said recording time of said frames of said non-compressed video image data, and modifies at least one of said frame rate, and said average bit rate, when detecting a change in said recording time of said non-compressed video image data.

22. (Currently Amended) A method for archiving video image data comprising:

compressing non-compressed video image data to generate compressed video image data;
recording said compressed video image data in a recording medium; and
controlling an average bit rate, a frame size, and a frame rate of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and~~ a free area of a recording medium for recording said compressed video image data, said controlling occurring throughout said compressing of said non-compressed video image data.

23. (Original) The method according to claim 22, wherein said controlling includes deciding said frame size and said frame rate based on said average bit rate.

24. (Currently Amended) A method for archiving video image data comprising:

compressing non-compressed video image data to generate compressed video image data;
recording said compressed video image data in a recording medium; and

controlling an average bit rate, and a frame size of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and~~ a free area of a recording medium for recording said compressed video image data, said controlling occurring throughout said compressing of said non-compressed video image data.

25. (Original) The method according to claim 24, wherein said controlling includes deciding said frame size based on said average bit rate.

26. (Currently Amended) A method for archiving video image data comprising:

compressing non-compressed video image data to generate compressed video image data;
recording said compressed video image data in a recording medium; and

controlling an average bit rate, and a frame rate of said compressed video image data in response to changes to ~~at least one parameter selected from a group consisting of: a number of frames of said non-compressed video image data, a recording time of said non-compressed video image data, and~~ a free area of a recording medium for recording said compressed video image data, said controlling occurring throughout said compressing of said non-compressed video image data.

27. (Original) The method according to claim 26, wherein said controlling includes deciding said frame rate based on said average bit rate.